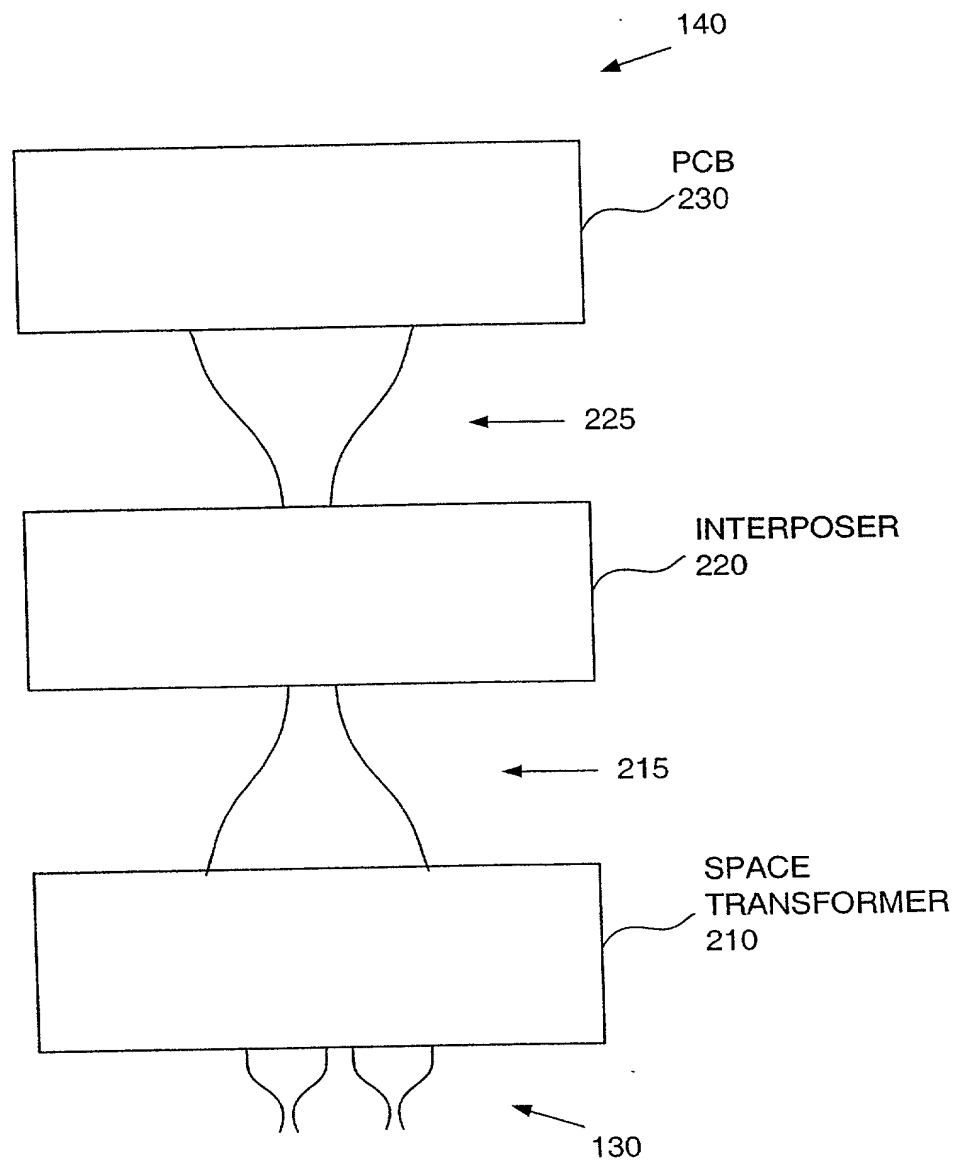
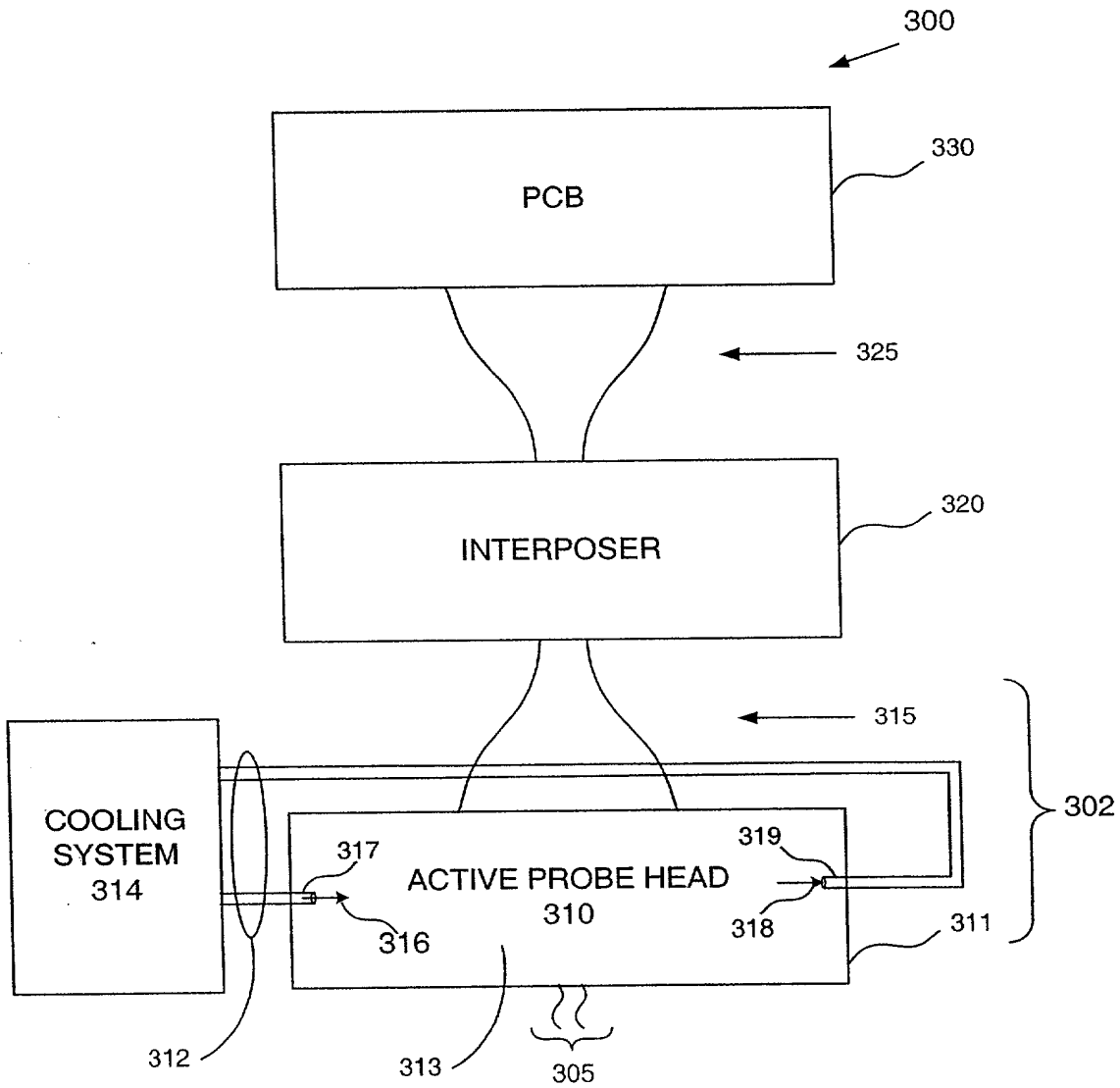


**FIG. 1**



**FIG. 2**

FIG. 3A is a schematic diagram of a probe assembly 300. The assembly includes a PCB 330, an interposer 320, and an active probe head 310. The PCB 330 is connected to the interposer 320 via a connection 325. The interposer 320 is connected to the active probe head 310 via a connection 315. The active probe head 310 includes a cooling system 314, a probe tip 317, a probe body 316, a probe base 318, and a probe head housing 319. The probe tip 317 is connected to the probe body 316, which is connected to the probe base 318, which is connected to the probe head housing 319. The probe head housing 319 is connected to the active probe head 310 via a connection 311. The active probe head 310 is connected to the interposer 320 via a connection 315. The active probe head 310 is also connected to a cooling system 314 via a connection 312. The active probe head 310 is further connected to a cooling system 314 via a connection 313. The active probe head 310 is also connected to a cooling system 314 via a connection 305.



**FIG. 3A**

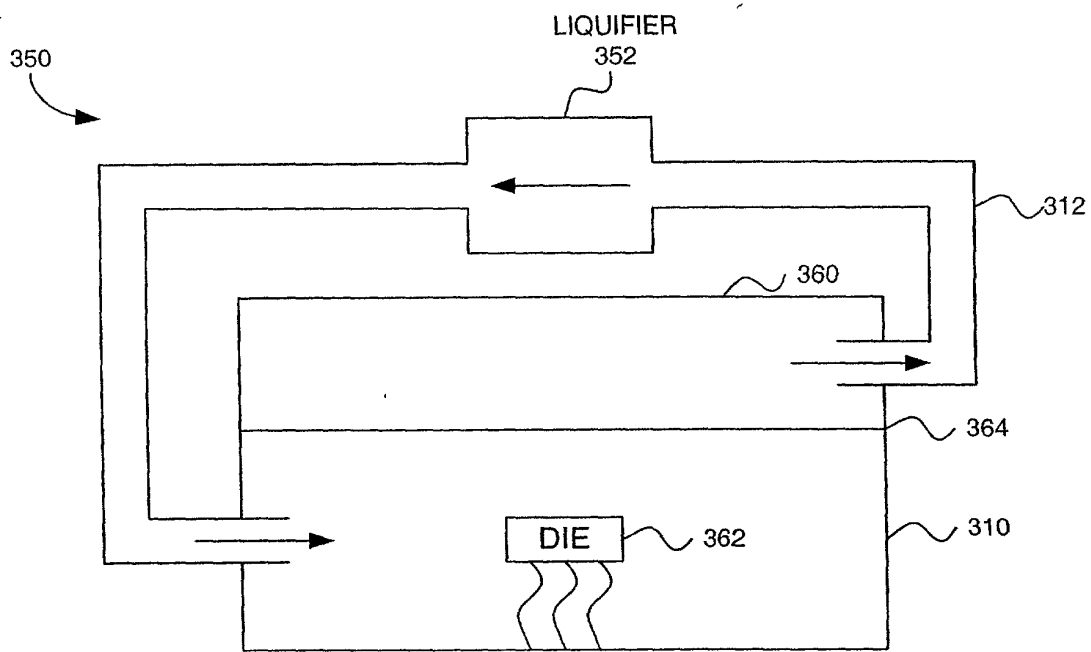


FIG. 3B

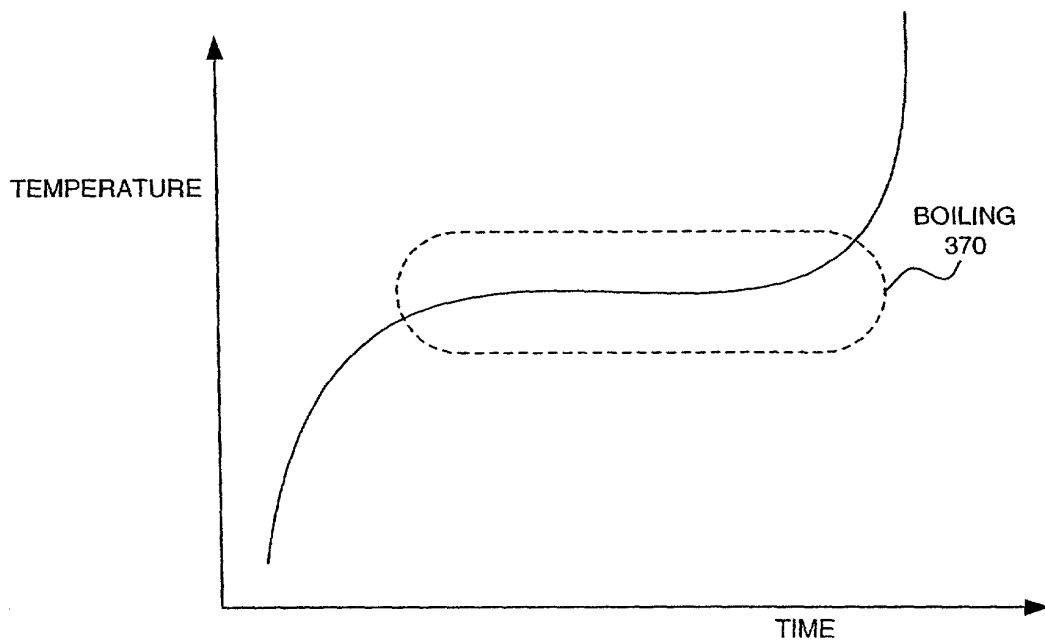
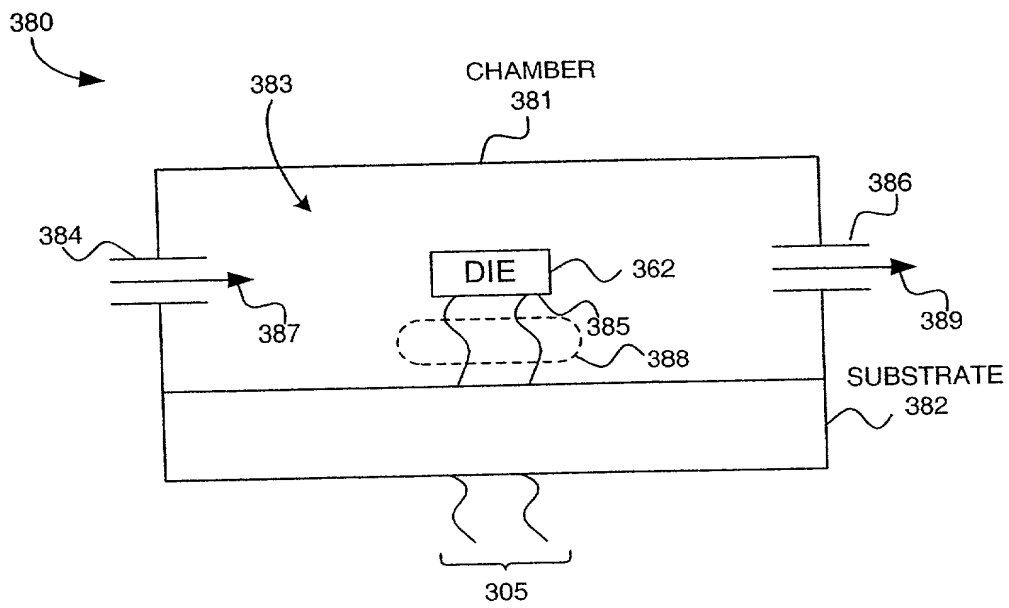


FIG. 3C



**FIG. 3D**

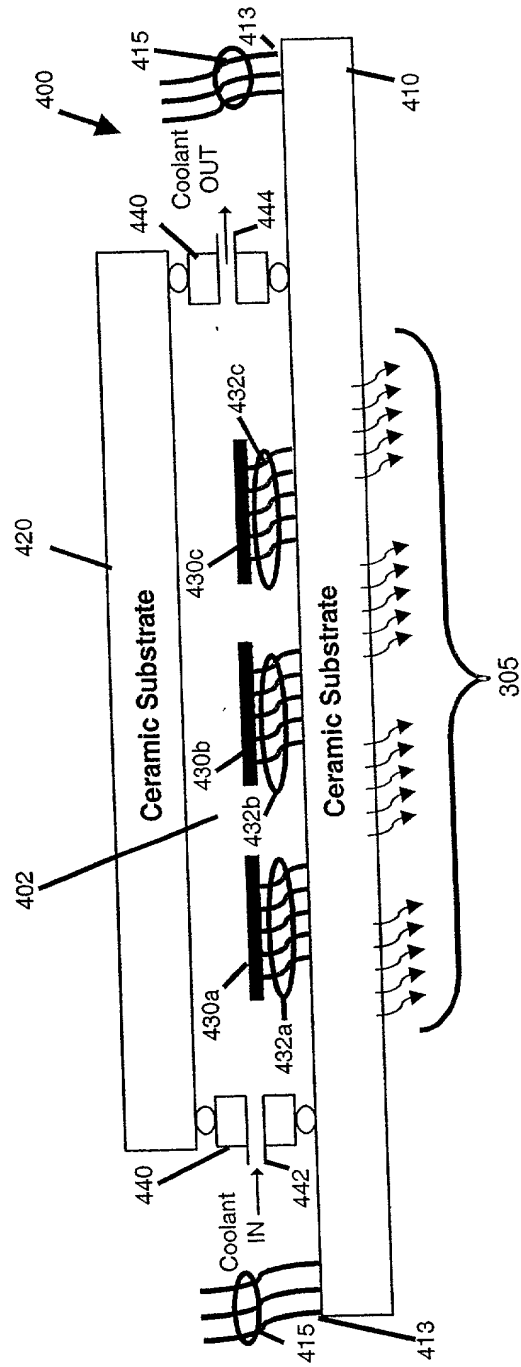


FIG. 4A

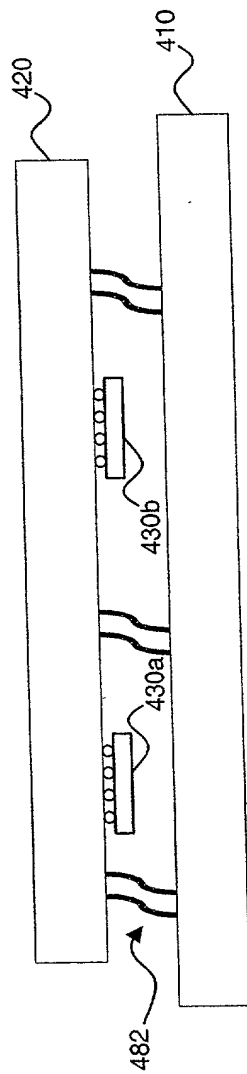


FIG. 4B

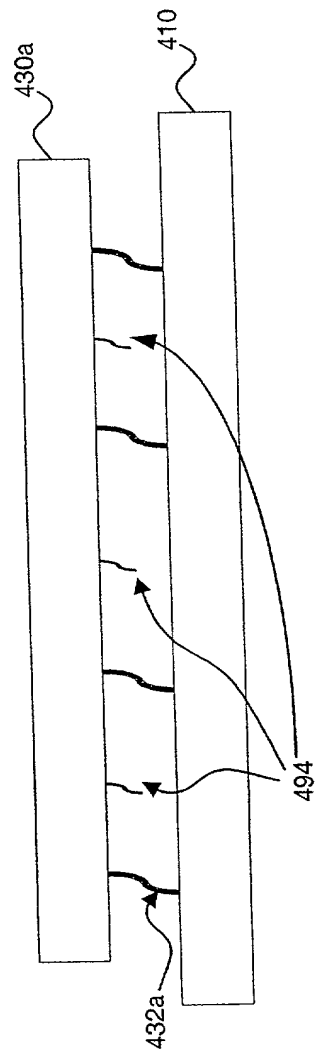


FIG. 4C



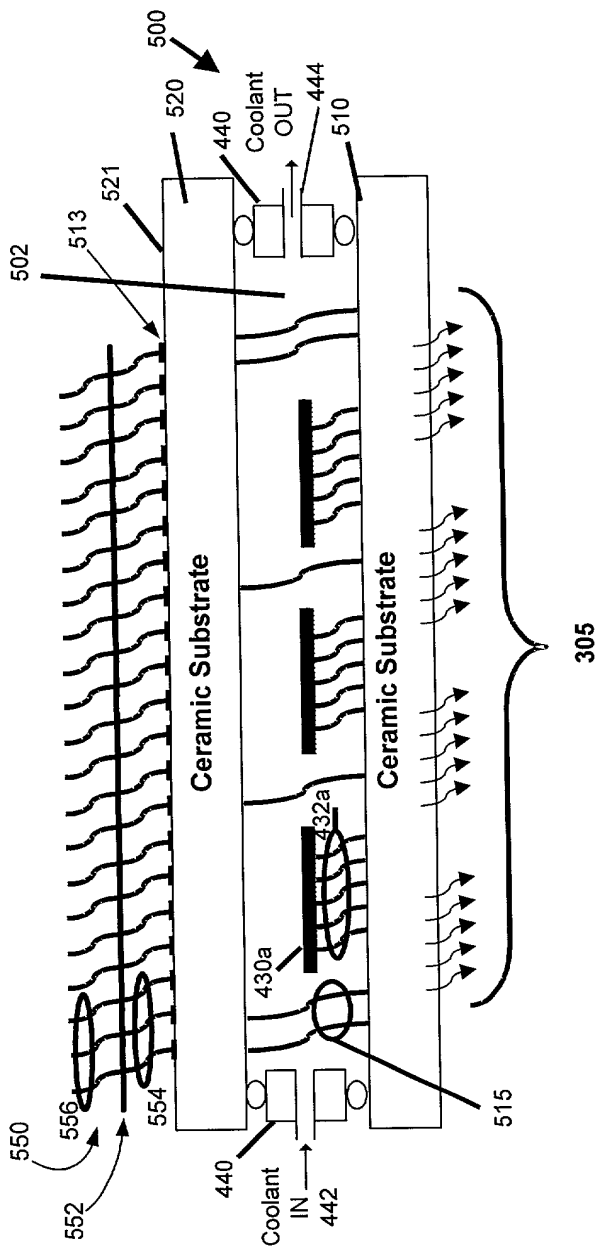


FIG. 5

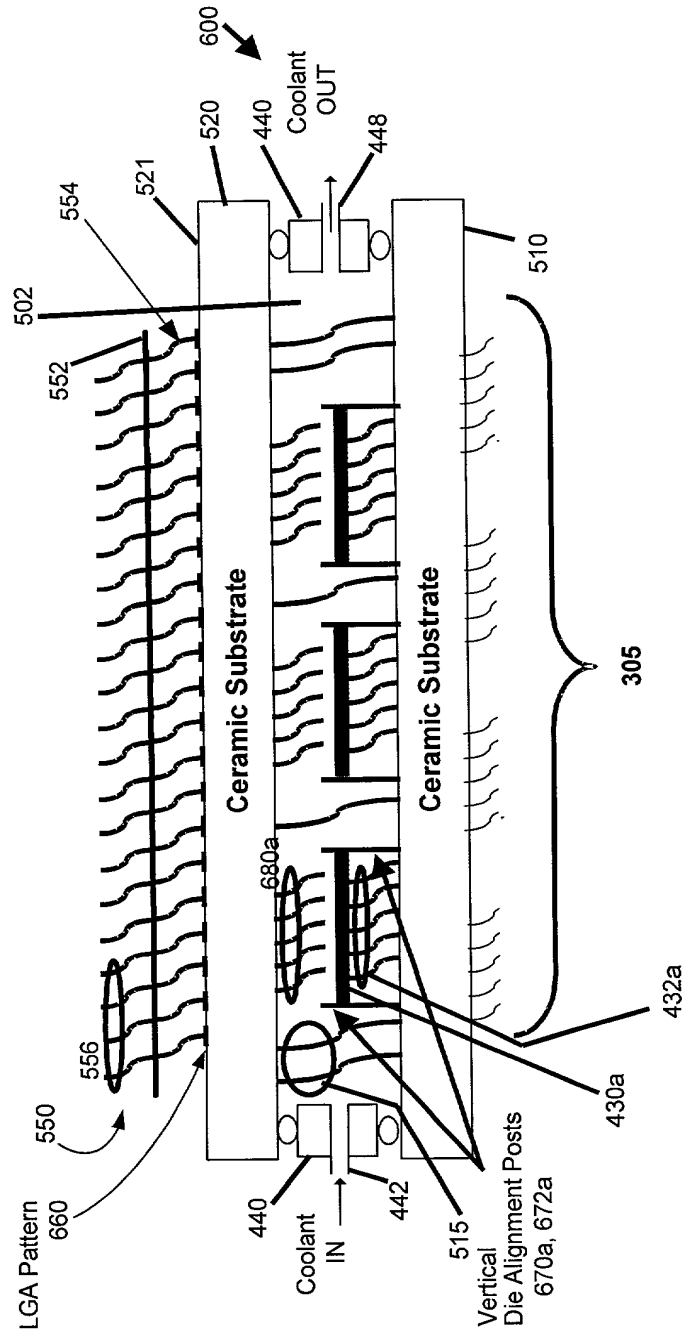
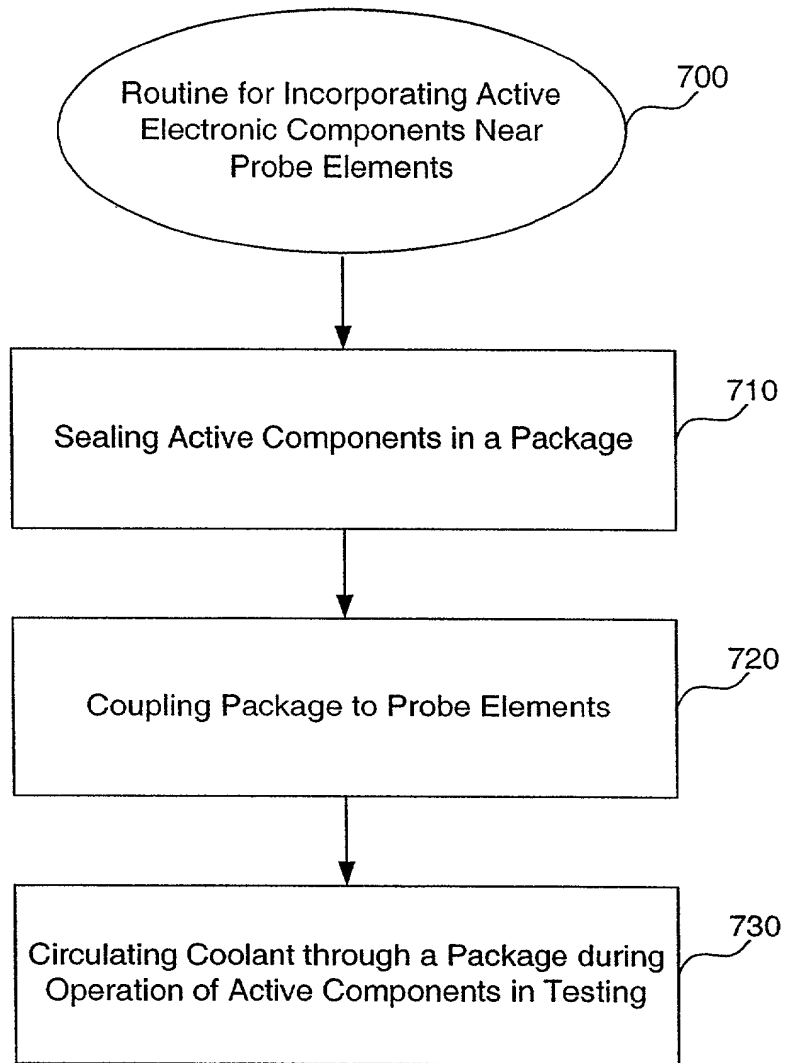


FIG. 6



**FIG. 7**

FIG. 8A

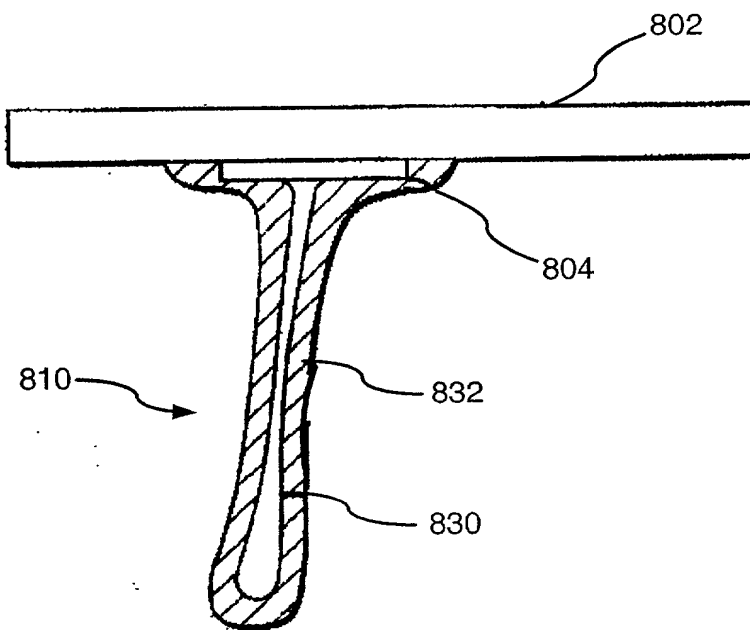


FIG. 8B

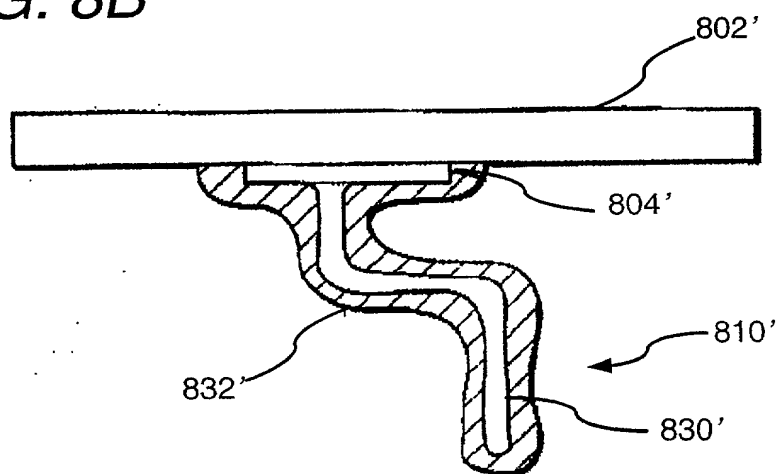


FIG. 9A

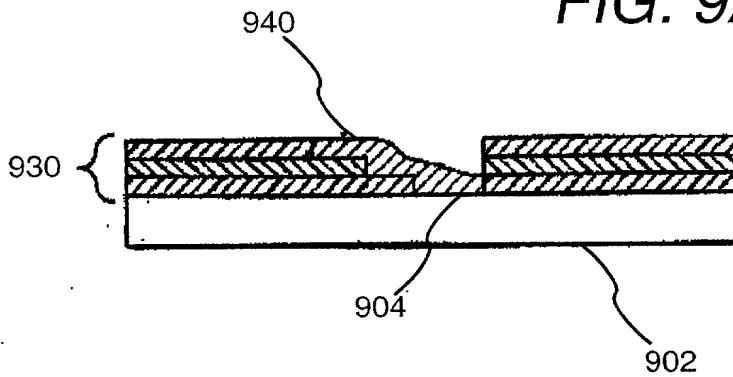


FIG. 9B

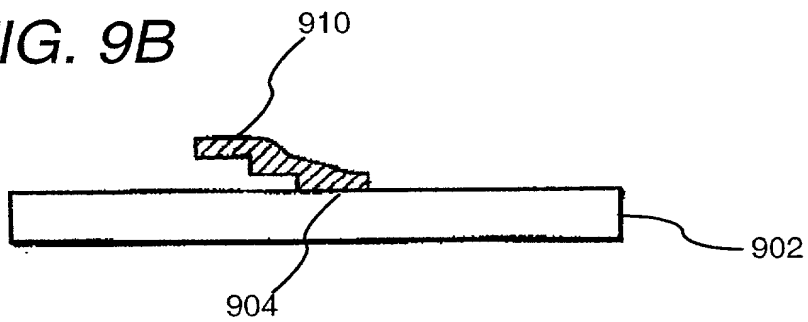


FIG. 10A

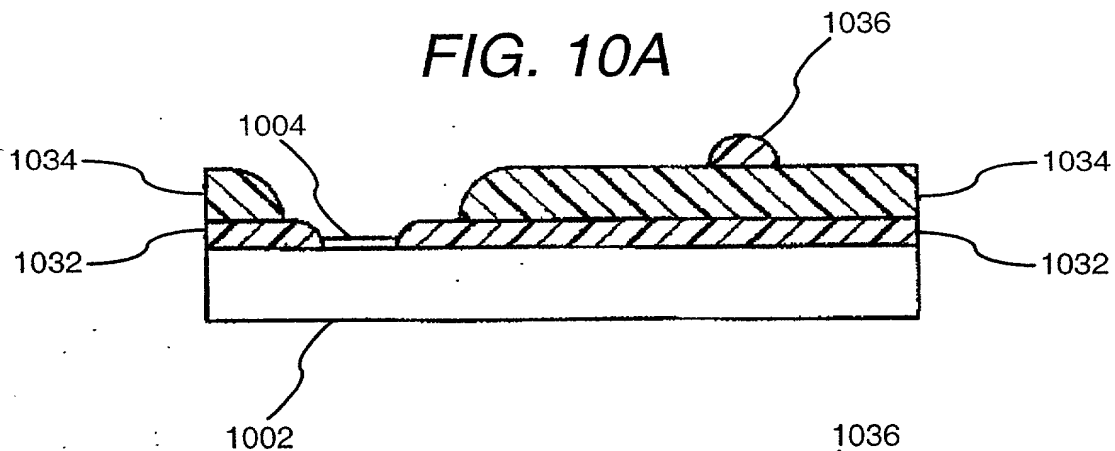


FIG. 10B

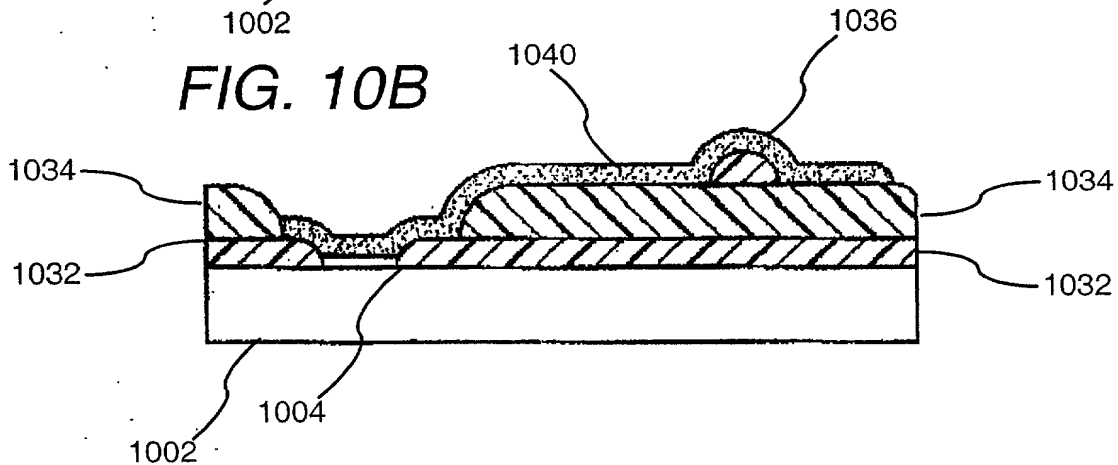


FIG. 10C

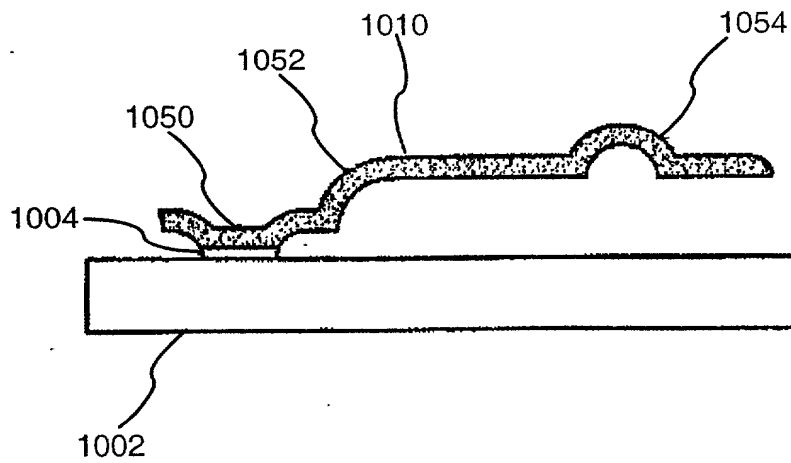
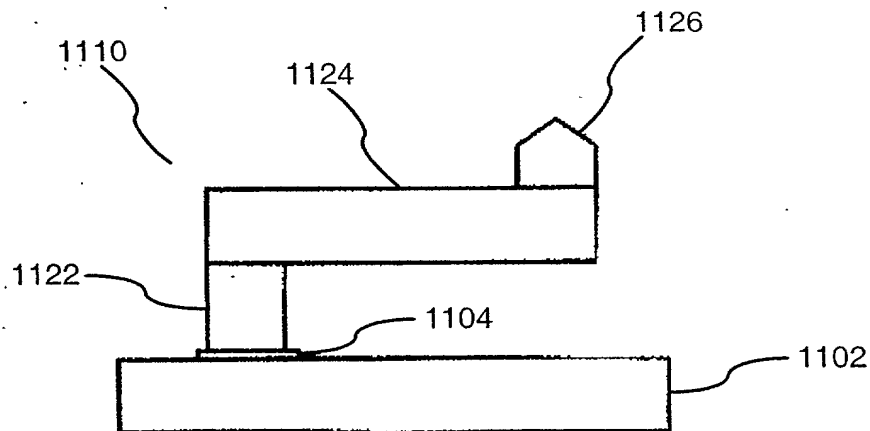
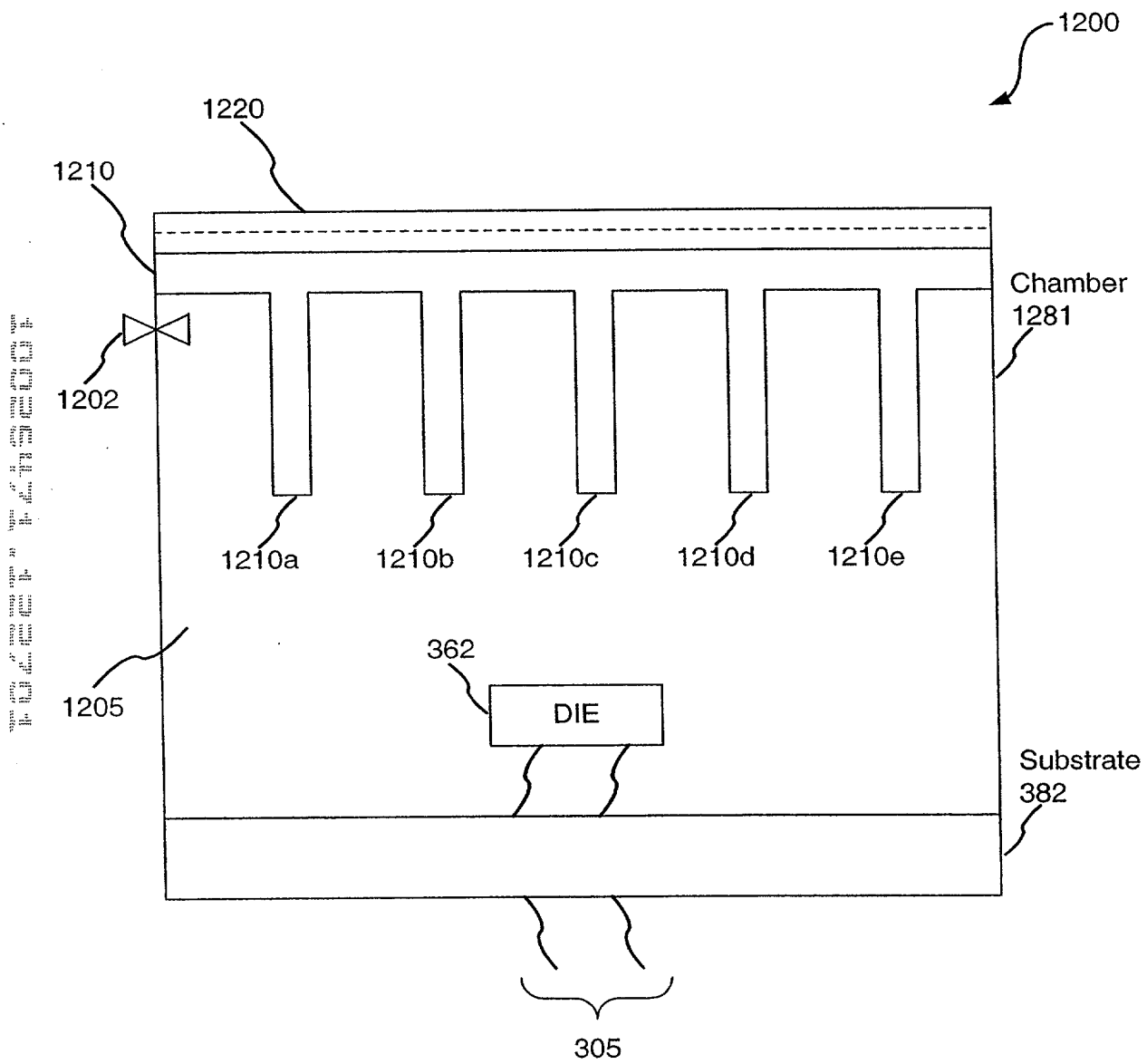


FIG. 11





**FIG. 12**